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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Russell et al.

Art Unit : 1632

Serial No. : 09/043,665

Examiner : R. Shukla

Filed : October 5, 1998

Title : MATERIALS AND METHODS RELATING TO THE TRANSFER OF  
NUCLEIC ACID INTO QUIESCENT CELLSCommissioner for Patents  
Washington, D.C. 20231RECEIVED  
MAR 17 2003  
TECH CENTER 1600/2900

## RESPONSE

In response to the action mailed December 2, 2002, please amend the application as follows:

In the claims:

Please amend claims 1, 4-6, and 8 as follows:

- FI
- 1. (Amended) A method of transforming a quiescent cell with a nucleic acid encoding a polypeptide, the method comprising:
- exposing said quiescent cell in vitro to a retroviral packaging cell, said retroviral packaging cell comprising a retroviral vector and an exogenous nucleic acid encoding a growth factor, wherein said growth factor is displayed on the surface of said retroviral packaging cell, wherein said retroviral vector comprises said nucleic acid encoding said polypeptide, and wherein said growth factor displayed on the surface of said retroviral packaging cell induces said quiescent cell to divide, so that the nucleic acid encoding said polypeptide can incorporate into the genome of said quiescent cell.

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

March 3, 2003

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